

WHAT IS CLAIMED IS:

1. An original reading apparatus comprising:

a first magnification varying mirror arranged in an optical path from a reading position of an original to an image
5 forming portion across an image forming lens and reflecting a light from said reading position of the original;

a second magnification varying mirror arranged with placing a reflection surface in opposition to a reflection surface of said first magnification varying mirror and
10 reflecting a light reflected from said first magnification varying mirror for a plurality of times between said first and second magnification varying mirrors, and thereafter reflecting toward said image forming lens; and

reflection times setting means for setting number of
15 times between said first and second magnification varying mirrors by varying an angle of said reflection surface of at least one of said first and second magnification varying mirrors depending upon a designated original reading magnification.

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2. The original reading apparatus as set forth in claim 1, wherein said reflection times setting means varies angle of said reflection surface of at least one of said first and second magnification varying mirrors by rotating a motor in a
25 magnitude corresponding to the original reading magnification

set by an operating portion.

3. The original reading apparatus as set forth in claim 1,
wherein a linear image sensor is set in an image forming portion,
5 said first and second magnification varying mirrors, said image
forming lens and a linear image sensor are assembled as single
optical module, said optical module is shifted in an auxiliary
scanning direction perpendicular to a primary scanning
direction when said linear image sensor performing reading of
10 an image on said original in said primary scanning direction
per one line.

4. The original reading apparatus as set forth in claim 3,
wherein said image forming lens is positionally fixed within
15 said optical module, and further comprises linear image sensor
moving means for moving a reading position of the image of said
linear image sensor depending times of reflection when said
reflection times setting means sets times of reflection
depending upon the original reading magnification.

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5. The original reading apparatus as set forth in claim 3,
which further comprises a position adjusting mirror reflecting
a light emitted from the reading position of the original for
inciding to said first magnification varying mirror and reading
25 position adjusting means for adjusting the original reading

position in the auxiliary scanning direction by controlling a rotation angle of said position adjusting mirror.

6. The original reading apparatus as set forth in claim 1,
5 wherein said original reading position is located on the surface of a platen glass, on which the original is mounted.

7. The original reading apparatus as set forth in claim 1,
wherein said original reading position is located at a position
10 away from a surface of a platen glass.

8. The original reading apparatus as set forth in claim 3,
which further comprises optical path varying means deflecting
a light reflected from said second magnification varying mirror
15 to the longitudinal direction of said optical module, and said
image forming lens is arranged between said optical path
varying means and said linear image sensor.